

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/590,886
Source: IFWP
Date Processed by STIC: 9/6/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/590,886

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid



IFWP

RAW SEQUENCE LISTING

DATE: 09/06/2006

PATENT APPLICATION: US/10/590,886

TIME: 10:15:46

Input Set : E:\DJKIM.GENO.PT2.ST25.txt

Output Set: N:\CRF4\09062006\J590886.raw

3 <110> APPLICANT: Genomine, Inc.
 4 Korea Research Institute of Chemical Technology
 6 <120> TITLE OF INVENTION: Polypeptide Having Function of Cinnamyl Alcohol
 Dehydrogenase, a
 7 Polynucleotide Coding the Polypeptide and Those Uses
 9 <130> FILE REFERENCE: DJKIM.GENO.PT2
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/590,886
 C--> 11 <141> CURRENT FILING DATE: 2006-08-25
 11 <150> PRIOR APPLICATION NUMBER: PCT/KR2005/000454
 12 <151> PRIOR FILING DATE: 2005-02-18
 14 <150> PRIOR APPLICATION NUMBER: 10-2004-0013086
 15 <151> PRIOR FILING DATE: 2004-02-26
 17 <160> NUMBER OF SEQ ID NOS: 6
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1205
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Arabidopsis thaliana
 26 <400> SEQUENCE: 1
 27 acgcattcgt catttgggtcc ctccacttag agagaagcag acagaacata actaaaatcg 60
 29 agaaaaatgg caaacagtgg tgaaggtaaa gtggtgtgtg taacaggagc ctccggttac 120
 31 atcgctcat ggctcgtaa gttcctactt agccgtggct acactgttaa ggctccgctc 180
 33 cgtgatccca gtgatccgaa aaagacacaa cacttagttt cactagaagg tgcaaaggaa 240
 35 agacttcact tgttcaaaagc agaccttttg gaacaagggt ctttcgactc tgctattgat 300
 37 ggttgccatg gagttttcca cactgcttct ccatttttta atgatgcaa agaccacag 360
 39 gctgaactta ttgatcctgc ggtcaagggg acgcttaacg ttttgaattc gtgcgcaaaa 420
 41 gcctcttcgg ttaagagggt tgttgttaacc tcctccatgg ttaccatgga 480
 43 aaaccacgca cactgatgt taccgtcgat gaaacttggg tctctgatcc tgagctttgc 540
 45 gaggcctcca agatgtggta tgttctatcc aagactttgg cggaagatgc agcttggaaa 600
 47 ctgcctaaag agaaaggctt agacattgtt actattaacc cggctatggg gatcggtcct 660
 49 ctctacagc caactctgaa cagcagtgct gctgctatat taaacttaat caatggtgca 720
 51 aagactttcc caaacttgag tttcggatgg gttaatgtaa aagacgtagc caatgcgcac 780
 53 atccaaacat ttgaggtccc ttcagctaat gggcggtatt gtttggtcga gcgtgtcgtt 840
 55 caccactccg agattgttaa cattctacgt gagctttacc caaatctccc actacctgaa 900
 57 aggtgtgtgg acgagaatcc ctacgtgcca acgtatcaag tgtccaagga taaaacgagg 960
 59 agccttggca tagactacat acccttgaag gttagcatca aggagaccgt cgagtccttg 1020
 61 aaggaaaaag gtttcgcaca gttctgagaa agcatttgag ccaatggatt taatccagat 1080
 63 tagataaagt atttgaaga ctatttcaaa aataatattt ggaacatgtc aatgttctca 1140
 65 aggagatatt agtatgttct tgtgtacttt attgttggtc catcaaatga gttacttttc 1200
 67 ctttt 1205
 70 <210> SEQ ID NO: 2
 71 <211> LENGTH: 326
 72 <212> TYPE: PRT
 73 <213> ORGANISM: Arabidopsis thaliana

see pg 2-3
 Does Not Comply
 Corrected Diskette Needed

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Input Set : E:\DJKIM.GENO.PT2.ST25.txt

Output Set: N:\CRF4\09062006\J590886.raw

75 <400> SEQUENCE: 2

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77 Met Ala Asn Ser Gly Glu Gly Lys Val Val Cys Val Thr Gly Ala Ser
78 1 5 10 15
81 Gly Tyr Ile Ala Ser Trp Leu Val Lys Phe Leu Leu Ser Arg Gly Tyr
82 20 25 30
85 Thr Val Lys Ala Ser Val Arg Asp Pro Ser Asp Pro Lys Lys Thr Gln
86 35 40 45
89 His Leu Val Ser Leu Glu Gly Ala Lys Glu Arg Leu His Leu Phe Lys
90 50 55 60
93 Ala Asp Leu Leu Glu Gln Gly Ser Phe Asp Ser Ala Ile Asp Gly Cys
94 65 70 75 80
97 His Gly Val Phe His Thr Ala Ser Pro Phe Phe Asn Asp Ala Lys Asp
98 85 90 95
101 Pro Gln Ala Glu Leu Ile Asp Pro Ala Val Lys Gly Thr Leu Asn Val
102 100 105 110
105 Leu Asn Ser Cys Ala Lys Ala Ser Ser Val Lys Arg Val Val Thr
106 115 120 125
109 Ser Ser Met Ala Ala Val Gly Tyr Asn Gly Lys Pro Arg Thr Pro Asp
110 130 135 140
113 Val Thr Val Asp Glu Thr Trp Phe Ser Asp Pro Glu Leu Cys Glu Ala
114 145 150 155 160
117 Ser Lys Met Trp Tyr Val Leu Ser Lys Thr Leu Ala Glu Asp Ala Ala
118 165 170 175
121 Trp Lys Leu Ala Lys Glu Lys Gly Leu Asp Ile Val Thr Ile Asn Pro
122 180 185 190
125 Ala Met Val Ile Gly Pro Leu Leu Gln Pro Thr Leu Asn Thr Ser Ala
126 195 200 205
129 Ala Ala Ile Leu Asn Leu Ile Asn Gly Ala Lys Thr Phe Pro Asn Leu
130 210 215 220
133 Ser Phe Gly Trp Val Asn Val Lys Asp Val Ala Asn Ala His Ile Gln
134 225 230 235 240
137 Ala Phe Glu Val Pro Ser Ala Asn Gly Arg Tyr Cys Leu Val Glu Arg
138 245 250 255
141 Val Val His His Ser Glu Ile Val Asn Ile Leu Arg Glu Leu Tyr Pro
142 260 265 270
145 Asn Leu Pro Leu Pro Glu Arg Cys Val Asp Glu Asn Pro Tyr Val Pro
146 275 280 285
149 Thr Tyr Gln Val Ser Lys Asp Lys Thr Arg Ser Leu Gly Ile Asp Tyr
150 290 295 300
153 Ile Pro Leu Lys Val Ser Ile Lys Glu Thr Val Glu Ser Leu Lys Glu
154 305 310 315 320
157 Lys Gly Phe Ala Gln Phe
158 325
161 <210> SEQ ID NO: 3
162 <211> LENGTH: 35
163 <212> TYPE: DNA
164 <213> ORGANISM: Sense Primer
166 <400> SEQUENCE: 3
167 aagatccat ggcaaacagt ggtgaaggta aagtg

```

Invalid - see item 10 on Eon Summary Sheet

35

RAW SEQUENCE LISTING

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DATE: 09/06/2006

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Input Set : E:\DJKIM.GENO.PT2.ST25.txt

Output Set: N:\CRF4\09062006\J590886.raw

170 <210> SEQ ID NO: 4
171 <211> LENGTH: 35
172 <212> TYPE: DNA
173 <213> ORGANISM: Antisense Primer
175 <400> SEQUENCE: 4
176 cgaagctttc agaactgtgc gaaacctttt tcctt 35
179 <210> SEQ ID NO: 5
180 <211> LENGTH: 31
181 <212> TYPE: DNA
182 <213> ORGANISM: Sense Primer
184 <400> SEQUENCE: 5
185 gaagatctca gaactgtgcg aaaccttttt c 31
188 <210> SEQ ID NO: 6
189 <211> LENGTH: 29
190 <212> TYPE: DNA
191 <213> ORGANISM: Antisense Primer
193 <400> SEQUENCE: 6
194 gctctagatg gcaaacagtg gtgaaggta 29

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/590,886

DATE: 09/06/2006

TIME: 10:15:47

Input Set : E:\DJKIM.GENO.PT2.ST25.txt

Output Set: N:\CRF4\09062006\J590886.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date